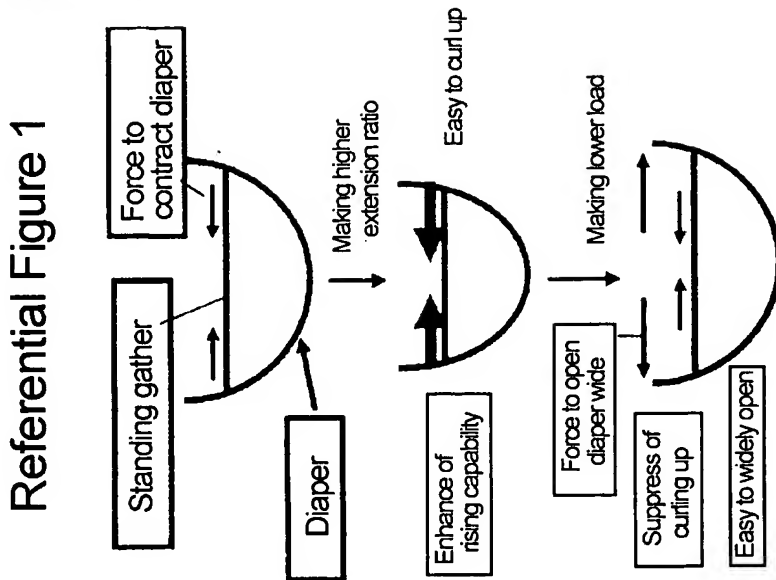
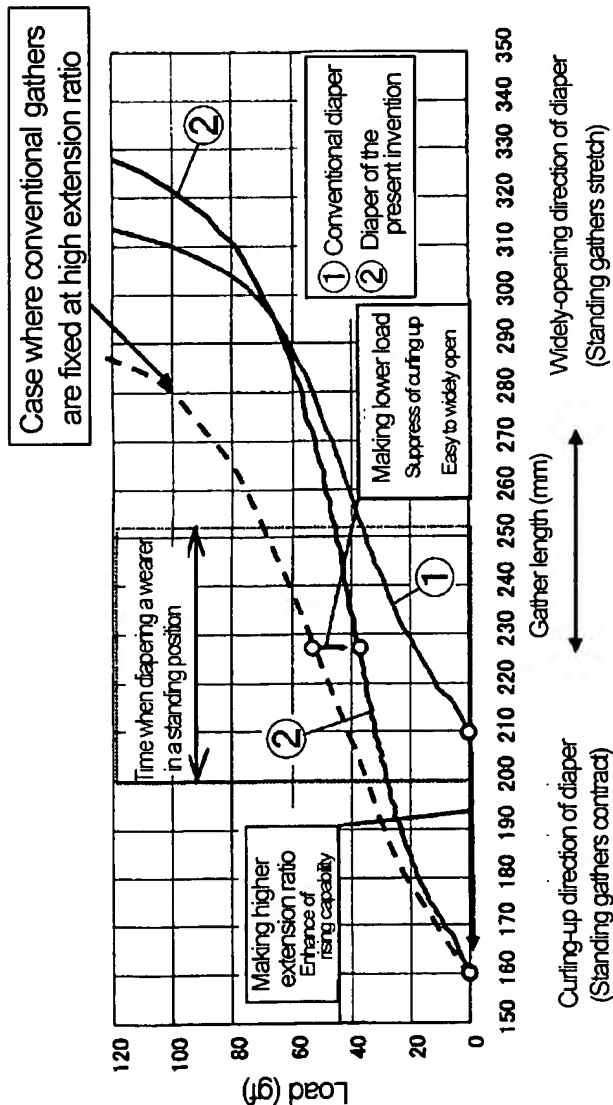


Material 1 Ease of Diapering in Standing Position by Standing Gathers (1)

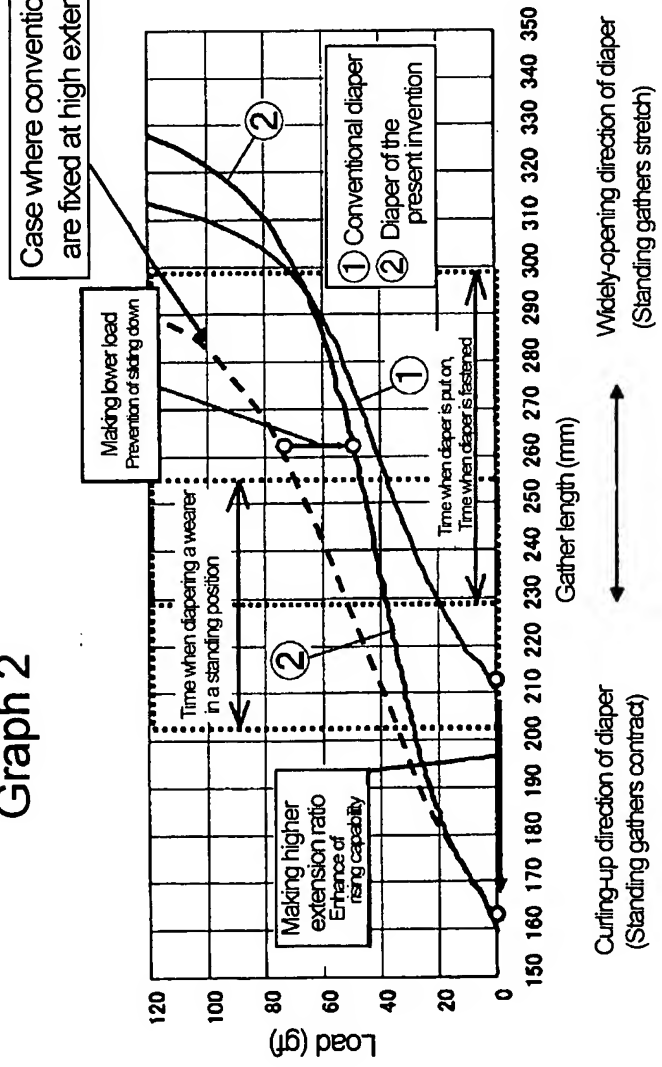


Graph 1

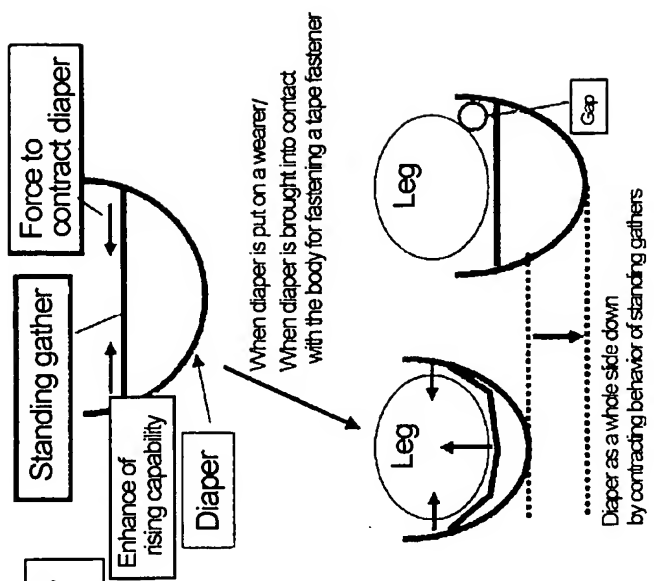


Material 2 Ease of Diapering in Standing Position by Standing Gathers (2)

Graph 2



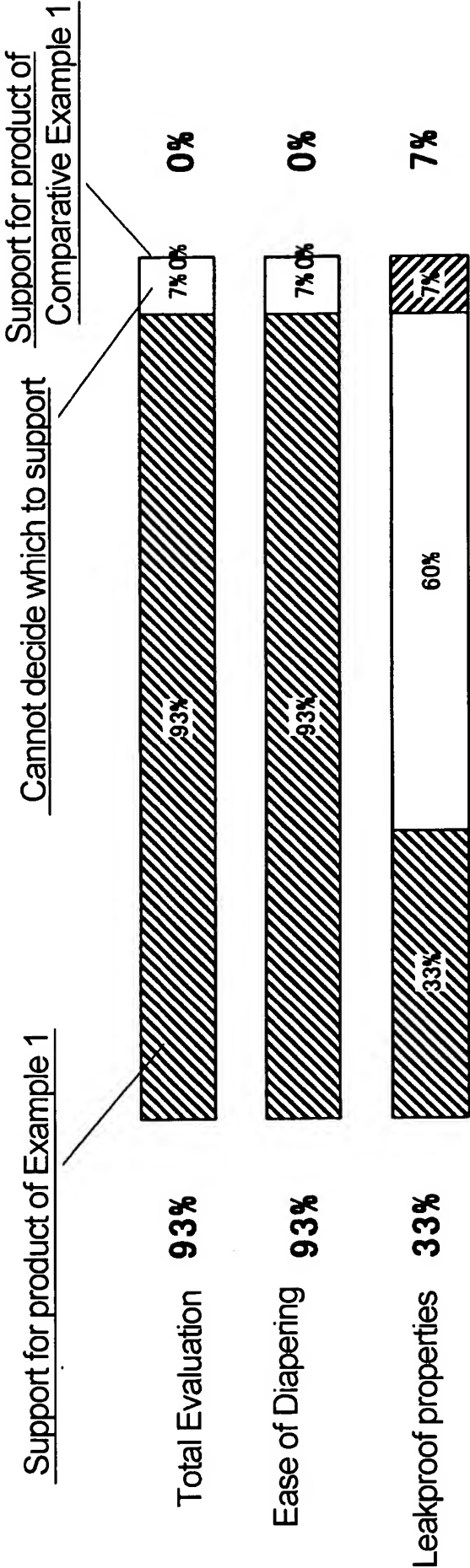
Referential Figure 2



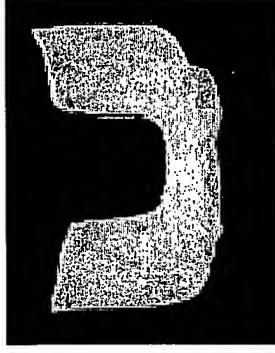
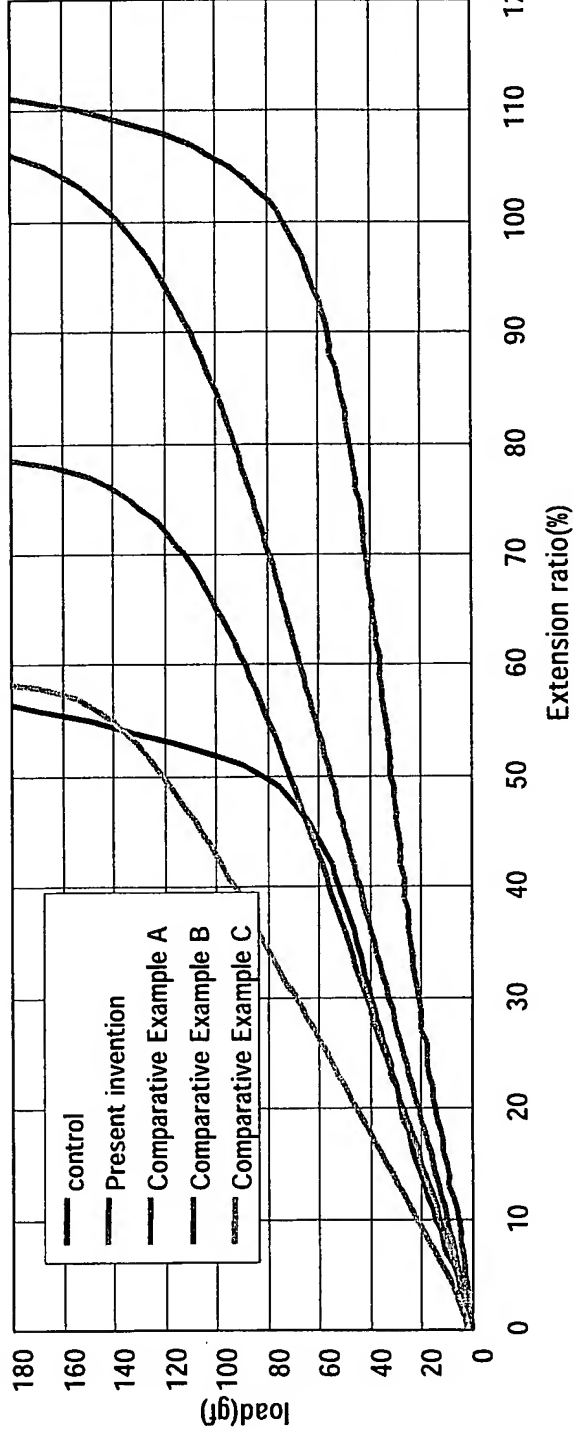
Material 3 Comparison with respect to Ease of Diapering and Leakproof properties between Diapers within the Range and outside the Range of the Present Invention

Carried out on May, 2003 Thirty mothers having children who use diapers of large size were asked as monitors for evaluation

Evaluation results of comparison after using about 45 diapers of large size per each product



Comparative Data



U-shape

	Fixing extension ratio of standing gather disposed in diaper	Standing gather taken out from a diaper			Stiffness	Shape of diaper when diapering a wearer
		Effective Extension ratio	Tensile load in Effective Extension ratio	Increase rate of the tensile load		
		%)	gf	gf/%)		
Control	60	30	40	1.2	28.4	A diaper curls up in the longitudinal direction
Present invention	110	80	48	0.5	(24.0)	A diaper curves in to a U-shape
Comparative Example A	80	50	71	1.5	28.4	A diaper curls up in the longitudinal direction
Comparative Example B	110	80	93	1.2	28.4	A diaper curls up in the longitudinal direction
Comparative Example C	90	60	109	1.9	28.4	A diaper curls up in the longitudinal direction